BEST AVAILABLE COPY

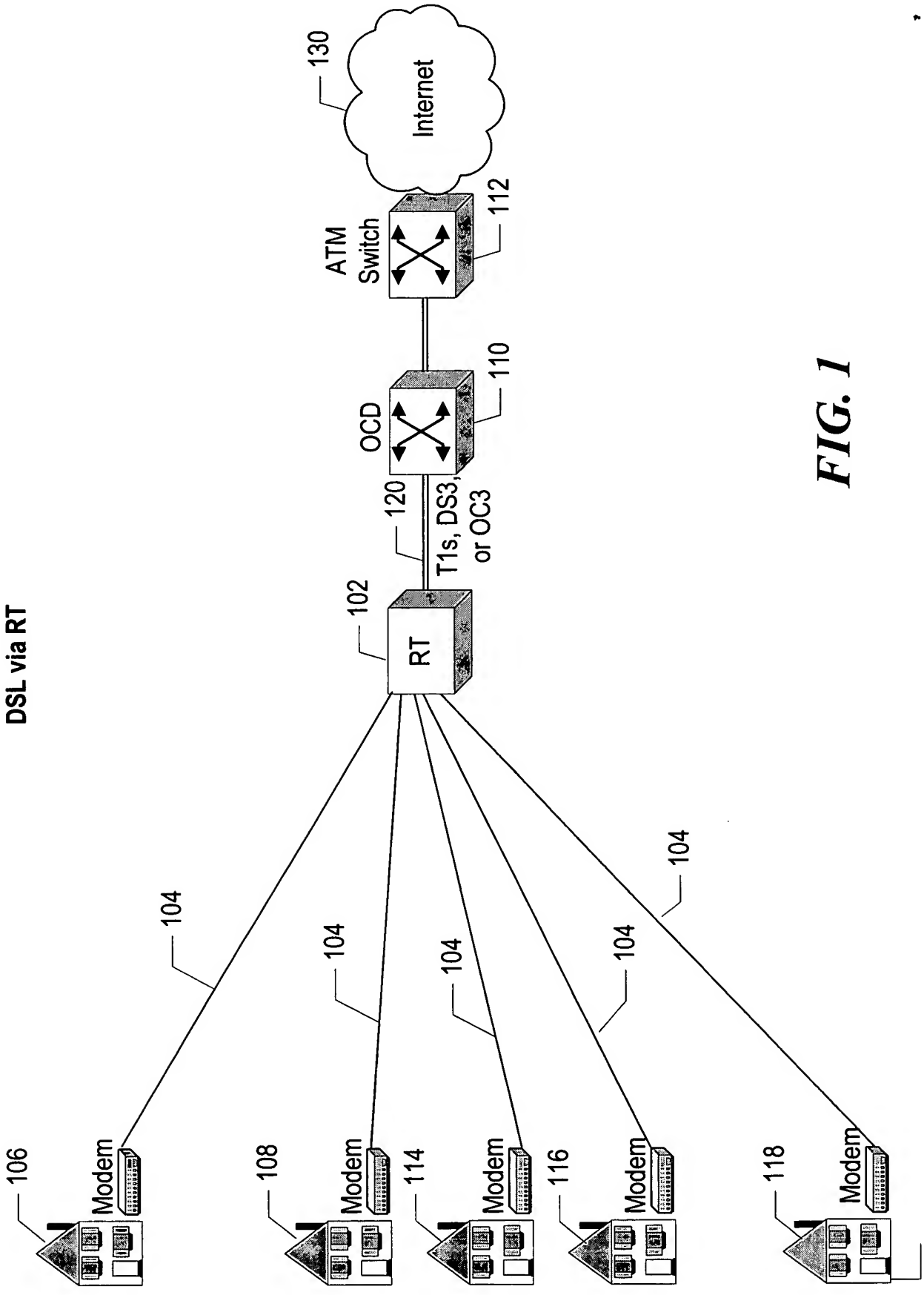

FIG. 1

BEST AVAILABLE COPY

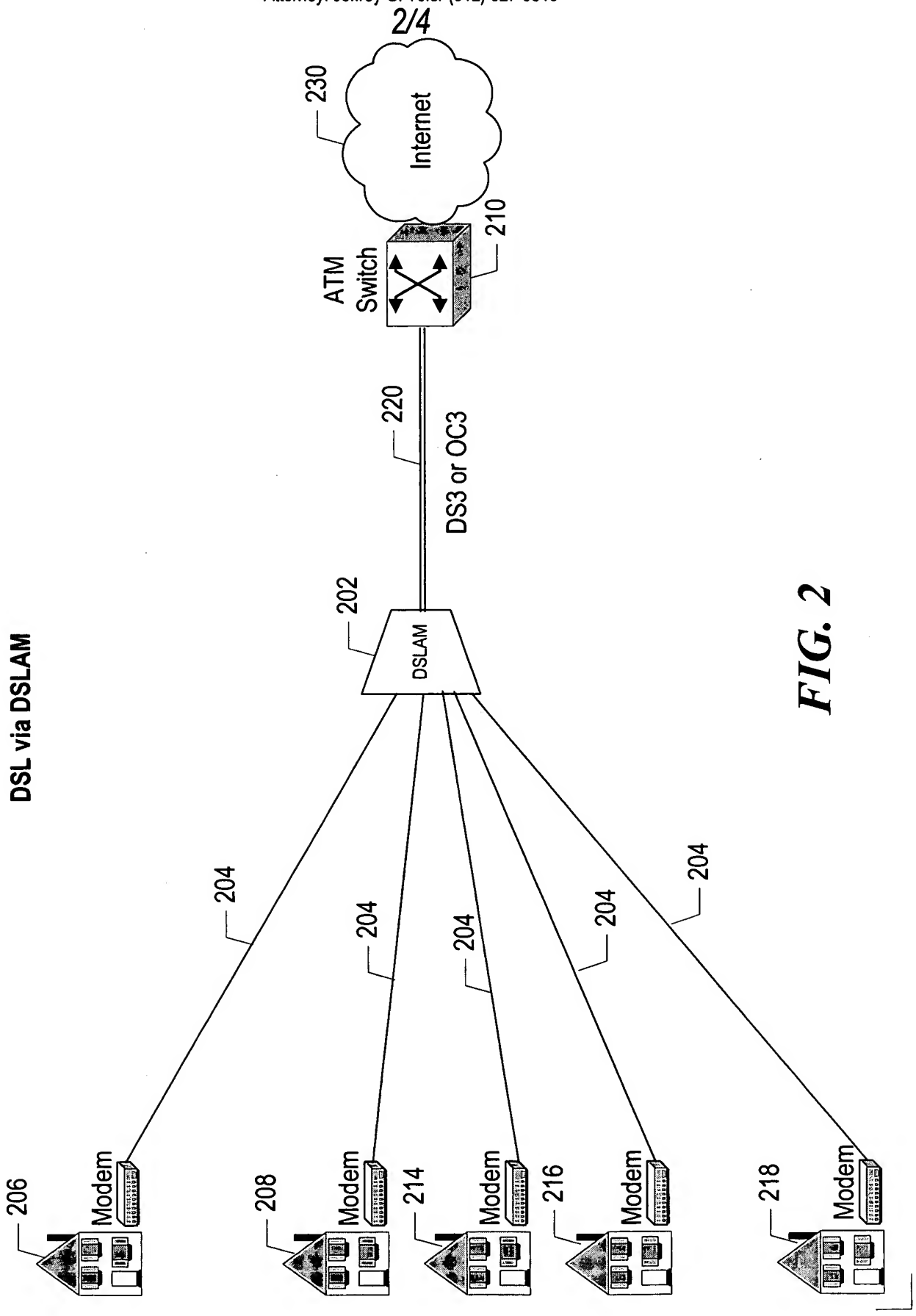

FIG. 2

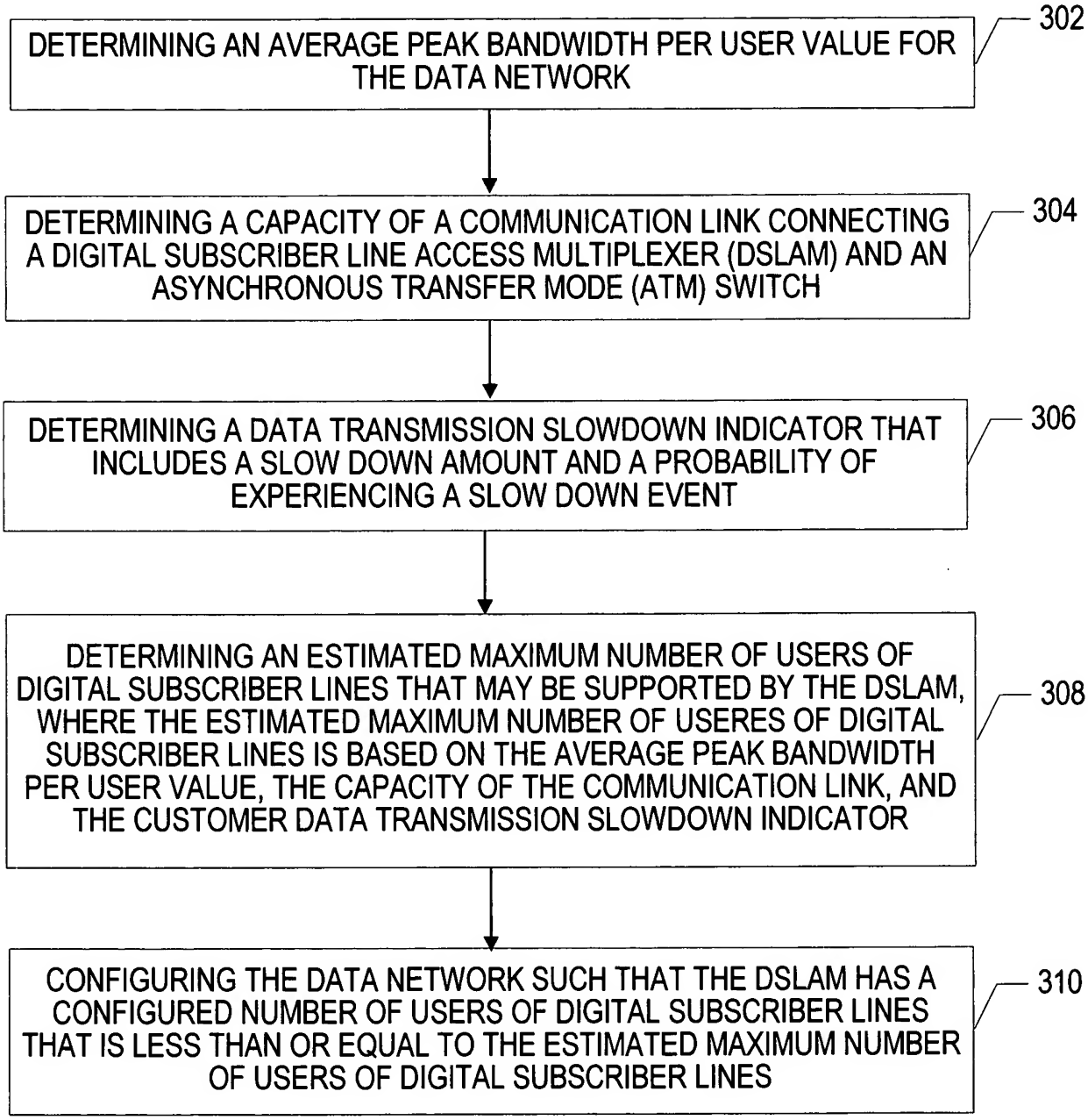
DETERMINING AN AVERAGE PEAK BANDWIDTH PER USER VALUE FOR THE DATA NETWORK
302
DETERMINING A CAPACITY OF A COMMUNICATION LINK CONNECTING A DIGITAL SUBSCRIBER LINE ACCESS MULTIPLEXER (DSLAM) AND AN ASYNCHRONOUS TRANSFER MODE (ATM) SWITCH
304
DETERMINING A DATA TRANSMISSION SLOWDOWN INDICATOR THAT INCLUDES A SLOW DOWN AMOUNT AND A PROBABILITY OF EXPERIENCING A SLOW DOWN EVENT
306
DETERMINING AN ESTIMATED MAXIMUM NUMBER OF USERS OF DIGITAL SUBSCRIBER LINES THAT MAY BE SUPPORTED BY THE DSLAM, WHERE THE ESTIMATED MAXIMUM NUMBER OF USERES OF DIGITAL SUBSCRIBER LINES IS BASED ON THE AVERAGE PEAK BANDWIDTH PER USER VALUE, THE CAPACITY OF THE COMMUNICATION LINK, AND THE CUSTOMER DATA TRANSMISSION SLOWDOWN INDICATOR
308
CONFIGURING THE DATA NETWORK SUCH THAT THE DSLAM HAS A CONFIGURED NUMBER OF USERS OF DIGITAL SUBSCRIBER LINES THAT IS LESS THAN OR EQUAL TO THE ESTIMATED MAXIMUM NUMBER OF USERS OF DIGITAL SUBSCRIBER LINES
310

FIG. 3

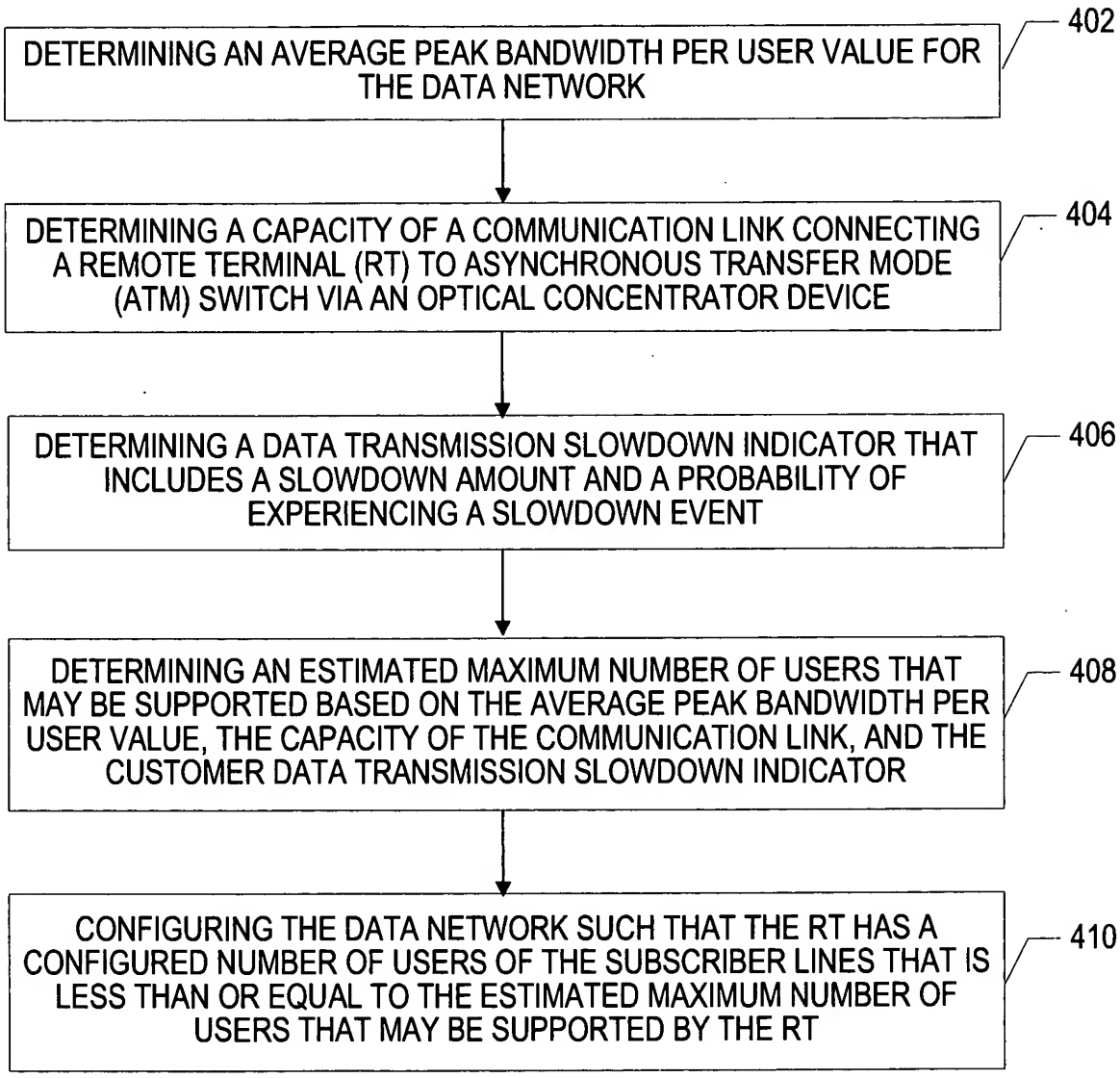
DETERMINING AN AVERAGE PEAK BANDWIDTH PER USER VALUE FOR THE DATA NETWORK
402
DETERMINING A CAPACITY OF A COMMUNICATION LINK CONNECTING A REMOTE TERMINAL (RT) TO ASYNCHRONOUS TRANSFER MODE (ATM) SWITCH VIA AN OPTICAL CONCENTRATOR DEVICE
404
DETERMINING A DATA TRANSMISSION SLOWDOWN INDICATOR THAT INCLUDES A SLOWDOWN AMOUNT AND A PROBABILITY OF EXPERIENCING A SLOWDOWN EVENT
406
DETERMINING AN ESTIMATED MAXIMUM NUMBER OF USERS THAT MAY BE SUPPORTED BASED ON THE AVERAGE PEAK BANDWIDTH PER USER VALUE, THE CAPACITY OF THE COMMUNICATION LINK, AND THE CUSTOMER DATA TRANSMISSION SLOWDOWN INDICATOR
408
CONFIGURING THE DATA NETWORK SUCH THAT THE RT HAS A CONFIGURED NUMBER OF USERS OF THE SUBSCRIBER LINES THAT IS LESS THAN OR EQUAL TO THE ESTIMATED MAXIMUM NUMBER OF USERS THAT MAY BE SUPPORTED BY THE RT
410

FIG. 4